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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
COBB ET AL.

Serial No. 09/393,639

Filing Date: September 10, 1999

For: CARRIER INJECTING WAVEFORM-
BASED MODULATION SCHEME FOR
REDUCING SATELLITE TRANSPONDER
POWER REQUIREMENTS AND EARTH
TERMINAL ANTENNA SIZE

Examiner: D. VO

Art Unit: 2631

6/A
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Technology Center 2600

AMENDMENT

Director, U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Responsive to the Office Action of April 10, 2002,
please enter the amendments and remarks set out below.

In the Drawings:

Submitted herewith is a request for proposed drawing
modification as indicated in red ink to label FIGS. 1-5 as
prior art, and to correct a mislabeled element in FIG. 3 in
accordance with the specification. Support for the correction
may be found of page 4 of the originally filed specification.
No new matter is being added.

In the Specification:

Please replace the paragraph beginning at page 4,
line 16, with the following rewritten paragraph:

At the receive site 20, signals received by an
antenna 22 and associated low noise amplifier circuitry 23 are
coupled to a demodulator loop, which supplies both I and Q
carrier references. To demodulate the data, the received signal
is coupled to a carrier recovery or regeneration path 25 and a